

# 1251 ALMASOL® HIGH TEMPERATURE LUBRICANT

TRIANGLE BRICK CO., Wadesboro, NC

Tunnel Kiln • SIC 3251 Brick & Structural Clay

**LE's 1251 ALMASOL® High Temperature Lubricants keeps plant operating at peak efficiency.**

## CUSTOMER PROFILE

Producing approximately 120 million bricks a year per plant, Triangle Brick Co. is one of the leading manufacturers of brick in the USA. This location has been in business and an LE customer since 2000.



## APPLICATION

The Tunnel kiln (manufactured by Lingl) has 99 kiln cars in the system's loop, with 12 transport bearings per car. Each kiln car cycles through the kiln every five to seven days. The total weight of the kiln cars with green (raw) brick is 127,008 pounds. Weight per bearing is 10,524 pounds. They run 24 hours a day, 7 days a week.



## AREA OF INTEREST

The extreme temperature of kiln reaches 3000° F (1560°C) at the top of the kiln. To help eliminate the extreme temperature at the track level, pea gravel, car insulators and fans reduce the temperature down to 300°F (148.9°C). Commercial grade lubricant would melt out of the transport bearings causing downtime and reducing production.



CUSTOMER TESTIMONIAL

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## **LE SOLUTION**

Kiln Supervisor Nathan Wallace was recommended to use LE's 1251 ALMASOL® High Temperature Lubricant by Triangles Moncure plants. By using LE's 1251 he only has to grease the bearings once a year and has minimal cleanup. LE's 1251 is used where a high temperature grease is required, such as kiln car bearings, oven conveyors, asphalt plants, soot blowers and similar applications.

## **CUSTOMER COST SAVINGS**

Cost is the least of Nathan's worries. Keeping the kiln running 24 hours a day, seven days a week is the reason for using the best product available. **LE's 1251 for kiln car bearings is the product of his choice. No other product can compare.**

Nathan stated, "*Keeping my kiln on line with minimal downtime is what makes Triangle Brick Co. stay one of the leading manufacturers of brick in the USA.*"

## **OTHER PRODUCTS USED**

Triangle Brick also uses LE's 1250 ALMASOL® High Temperature Lubricant in other applications on the kiln exhaust systems.

We would like to thank Kiln Supervisor Nathan Wallace and the local LE Representative for providing the information to prepare this report.